

Notice of Allowability

Application No.

10/796,192

Examiner

Prabodh M. Dharja

Applicant(s)

NAKAYOSHI ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07-16-2007.
2. ☒ The allowed claim(s) is/are 1-16 and 18-38.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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1. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2629. Receipt is acknowledged of papers submitted on 07-16-2007 under amendments, which have been placed of record in the file. Claims 1-16 and 18-38, are pending in this action. The claim 17 is cancelled.

Response to Amendment

2. The amendment filed 07-16-2007 does not introduce any new matter into the disclosure. The added material is supported by the original disclosure. The amendments are to expedite allowability of instant application by canceling the rejected claim 17, as all the pending claims 1-16 and 18-38 were allowed in previous office action mailed on 04-16-2007.

3. Applicant has cancelled claim 17 to overcome prior art rejection and expedite allowability of the instant application as claims 1-16 and 18-38 were allowed in office action mailed on 04-16-2007. The allowable subject matter for Independent Claims 1-3, 11,14,18 and 33-36

“the reference signal is supplied to the pixels for every selected pixel row and, at the same time, most of the gate signal lines and the counter voltage signal lines in other pixel rows except for the selected pixel rows are respectively configured to assume a floating state” and

The allowable subject matter for Independent Claims 31 and 32

“when the signal is scanned and supplied to the next gate signal line, the switches are turned off in response to an OFF signal, and when the scanning signal is supplied to the further next gate signal line, the gate signal line to which the scanning signal is supplied at the two

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preceding stage is made to assume a floating state, and the respective gate signal lines are connected to a signal line to which the OFF signal is supplied through portions thereof which assume a floating state and diodes” have been fully considered, extensively searched in PGPUB, and prior arts. The prior art of Eu (US 6,317,120 B1), all the cited prior art on 892’s and prior art cited on 1449’s fails to recite or disclose above claims limitations, and put application number 10796192 in condition for allowance.

4. Applicant has amended drawing 53 by adding “prior art” label on the top of the drawing per drawing objection. Therefore the objection to drawing is withdrawn.

Allowable Subject Matter

5. Claims 1-16 and 18-38 allowed.
6. The following is an examiner’s statement of reasons for allowance:

Applicant to expedite the instant application allowability; has cancelled rejected claim 17. Claims 1-16 and 18-38 were allowed. After extensive search and consideration in PGPUB, IDS PTO 1449, the cited prior on PTO 892, prior art of Eu (US 6,317,120 B1) fails to recite or disclose all the other limitations of independent claims combined with uniquely distinct features represented by underlined bold claim limitations below;

For Independent Claims 1-3, 11;14,18 and 33-36

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the reference signal is supplied to the pixels for every selected pixel row and, at the same time, most of the gate signal lines and the counter voltage signal lines in other pixel rows except for the selected pixel rows are respectively configured to assume a floating state.

For Independent Claims 31 and 32

when the signal is scanned and supplied to the next gate signal line, the switches are turned off in response to an OFF signal, and when the scanning signal is supplied to the further next gate signal line, the gate signal line to which the scanning signal is supplied at the two preceding stage is made to assume a floating state, and the respective gate signal lines are connected to a signal line to which the OFF signal is supplied through portions thereof which assume a floating state and diodes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M. Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

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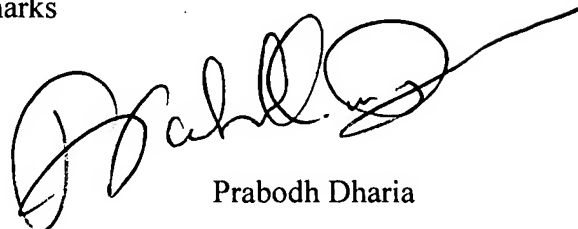
8. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231



Prabodh Dhar

Full Signatory Authority Program

AU 2629

August 23, 2007